



# Key Instant Recall Facts Year 5 and 6- Spring 1

KIRFS stand for Key Instant Recall Facts

By the end of this half term children should know the following facts. The aim is for them to recall these facts instantly.

## Year 5

Recall metric conversions e.g meters to cm, mm to m, kg to g

1 kilogram = 1000 grams

1 kilometre = 1000 metres

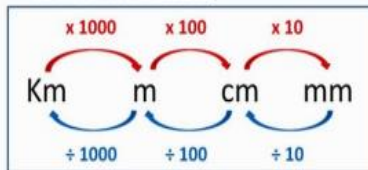
1 metre = 100 centimetres

1 metre = 1000 millimetres

1 centimetre = 10 millimetres



1 litre = 1000 millilitres



5km = ? m    Need to x 1000    5 x 1000 = 5000m ✓  
 120cm = ? m    Need to ÷ 100    120 ÷ 100 = 1.2m ✓

They should also be able to apply these facts to answer questions.

e.g. How many metres in  $1\frac{1}{2}$  km?

## Year 6

Convert between decimals, fractions and percentages.

The factors of a number are all numbers which divide it with no remainder.

E.g. The factors of 24 are 1, 2, 3, 4, 6, 8, 12, and 24.

The factors of 56 are 1, 2, 4, 7, 8, 14, 28 and 56.

The common factors of two numbers are the factors they share.

E.g. the common factors of 24 and 56 are 1, 2, 4 and 8.

The greatest common factor of 24 and 56 is 8.

Children should be able to explain how they know that a number is a common factor.

E.g. 8 is a common factor of 24 and 56 because  $24 = 8 \times 3$  and  $56 = 8 \times 7$ .

### Key vocabulary:

Kilogram (kg) Gram (g) Kilometer (km) Metre (m)  
Centimetre (cm) Millimetre (mm) Litre (l) Millilitres (ml) **Convert** 100mm to cm.

How many meters are **equivalent** to one kilometer?

### Key vocabulary:

How many **tenths** is 0.8?

How many **hundredths** is 0.12?

Write 0.75 as a **fraction**.

Write  $\frac{1}{4}$  as a **decimal**.

### Top tips on how to help at home:

The secret to success is practicing little and often. If you would like more ideas, please speak to your child's teacher.

Look at the prefixes – Can your child work out the meanings of kilo-, centi- and milli-?  
What other words begin with these prefixes?  
Be practical – Help out in the kitchen and follow a recipe. Do some baking/cooking and convert the measurements in the recipe or get crafty and practise measuring using a variety of units.

How far? – Calculate some distances using unusual measurements. How tall is your child in mm? How far away is London in metres?

Measure up- measure the length, mass and volume of different items in your home. Show the measurements in different units of measures.

<https://www.bbc.co.uk/bitesize/topics/z4nsgk7/articles/z63qdp3>

[https://www.transum.org/software/SW/Starter\\_of\\_the\\_day/Students/Pairs.asp?Topic=18](https://www.transum.org/software/SW/Starter_of_the_day/Students/Pairs.asp?Topic=18)

Can you practice these KIRFs while walking to school or during a car journey? You don't need to practice them all at once: perhaps you could start with tenths before moving onto hundredths.

Play games - Make some cards with pairs of equivalent fractions and decimals. Use these to play the memory game or snap. Or make your own dominoes with fractions on one side and decimals on the other.

<https://www.topmarks.co.uk/maths-games/daily10>

Level 6

Fractions – decimal equivalents

